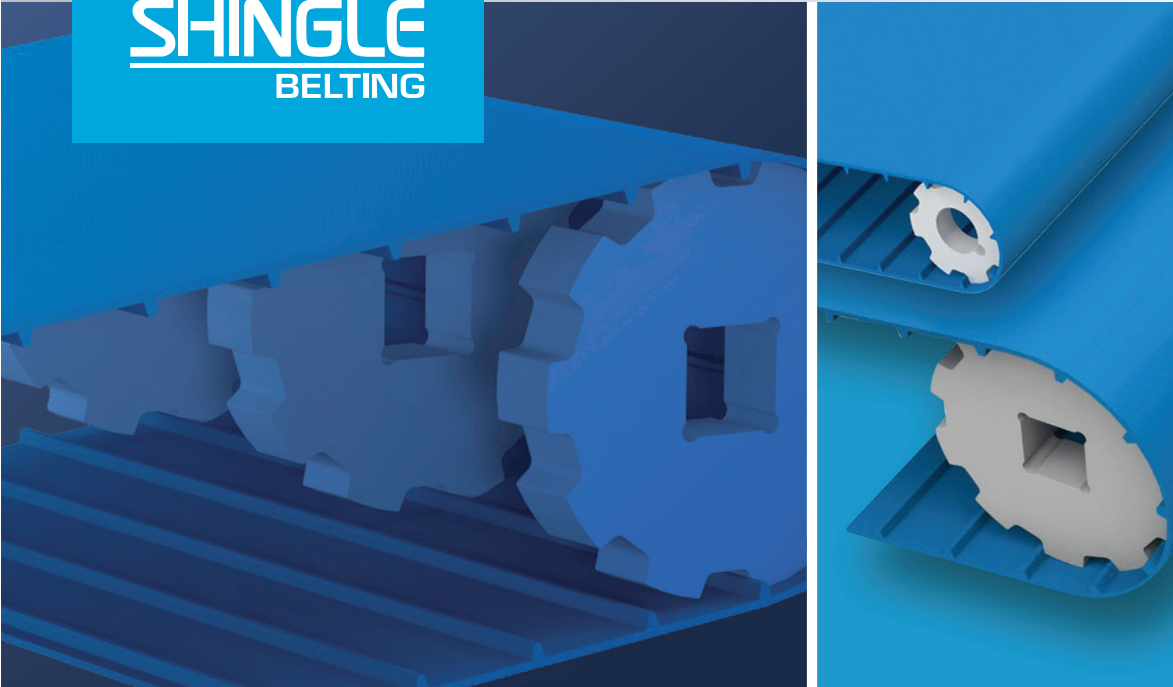


SHINGLE BELTING



WE'LL HELP YOU
MEET YOUR UNIQUE
CHALLENGES

Polyflex Drive 

ABOUT US



With **over 40 years of experience** in the design and manufacture of thermoplastic belting products, Shingle Belting is committed to providing our customers with quality, application-based solutions. Our wide range of resins, engineered compounds, and state-of-the-art manufacturing processes allow Shingle to offer maximum belting performance. Our corporate philosophy emphasizes flexibility, quick turnaround time, and consistent quality as an integral part of responding to our customers' individual needs.

TABLE OF CONTENTS

01 ABOUT US	02 POLYFLEX DRIVE ADVANTAGES	03 PD - DRIVE BELTING	04 PD - DRIVE ACCESSORIES
05 PDC - DRIVE BELTING	06 PDC - DRIVE ACCESSORIES	07 POLYFLEX DRIVE FABRICATION	08 POLYFLEX DRIVE FABRICATION
09 POLYFLEX DRIVE SPLICING	10 INDUSTRIES / CONVEYOR DESIGNS		

SHINGLE
BELTING



Polyflex Drive

POLYFLEX DRIVE ADVANTAGES



Hygienic, homogeneous construction with fully molded teeth and no cords decreases bacteria contamination

Easy-to-clean construction decreases water and detergent consumption by up to 70%

Excellent cut & abrasion resistance and excellent resistance to solvents, oils, and greases

PD deep tooth design eliminates slippage and provides optimum sprocket engagement for maximum drive

PD is available in 2" and also in 1" pitch for tighter transitions

PDC's center lugs ensure positive tracking and maximum hygiene due to the open area on the pulley side

Zero-tension belt system reduces stress on conveyor components such as bearings and shafts, and increases belt and conveyor life

Easy, fast butt splice minimizes downtime

Durable HDPE sprockets and accessories are available in a range of sizes

Easily retrofitted on modular belting applications



Polyflex Drive

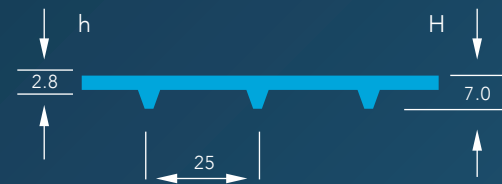
Extruded thermoplastic positive drive belting with a homogeneous construction and integral teeth on the pulley side.



Pitch Between Teeth: 49.9 mm
Standard Belt Width: 1850 mm / 72.8 in.



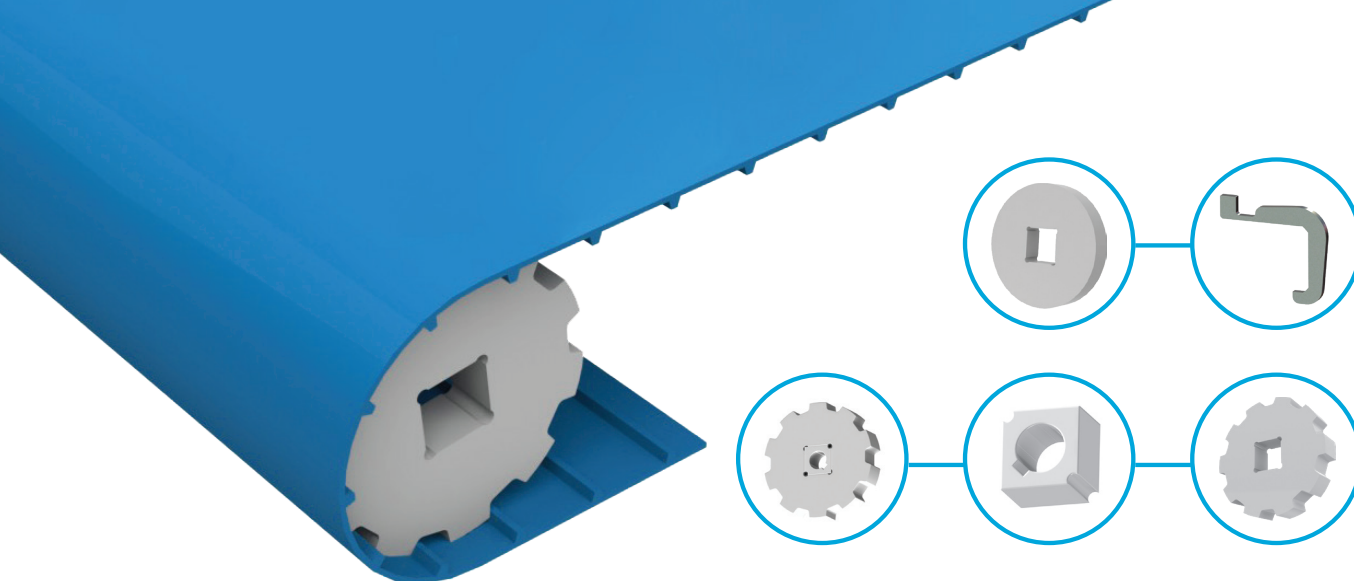
Pitch Between Teeth: 25 mm
Standard Belt Width: 1850 mm / 72.8 in.



*h= Belt Thickness | H= Belt Thickness + 5.5 mm

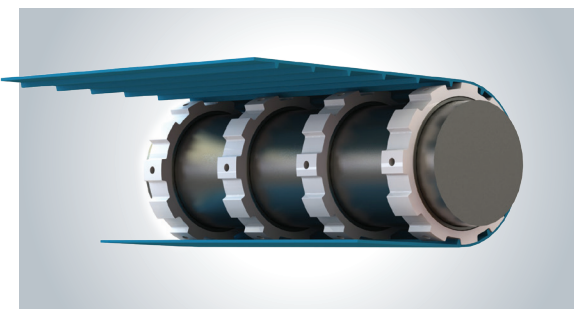
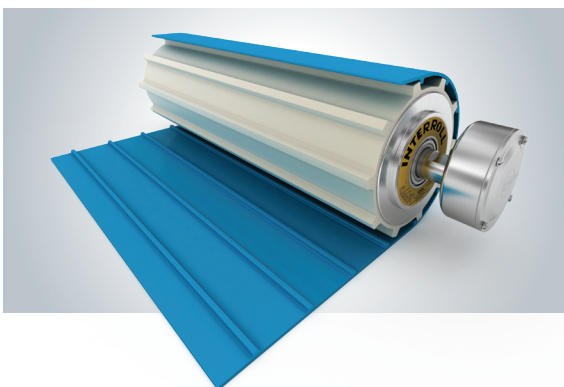
	POLYFLEX DRIVE 30S – PD50		POLYFLEX DRIVE 28S – PD25	
Color	Blue		Blue	
Surface Finish	Smooth		Smooth	
Durometer	95 ShA		93 ShA	
FDA/USDA	Yes		Yes	
	(in.)	(mm)	(in.)	(mm)
Pitch	1.96	50	0.98	25
Thickness (Belt)	0.120	3.0	0.110	2.8
Overall Thickness	0.338	8.6	0.276	7.0
Minimum Pulley	3.75	95	2.25	57
Manufactured Width	72	1828	72	1828
	—	—	—	—
Weight	0.983 lbs/ft ²	4.8 kg/m ²	0.820 lbs/ft ²	4.0 kg/m ²
Temperature Range	-4°F to +140°F	-20°C to +60°C	-4°F to +140°F	-20°C to +60°C
Coefficient of Friction				
HDPE	0.20		0.22	
S/S	0.52		0.55	





POLYFLEX DRIVE PD ACCESSORIES							
	ITEM DESCRIPTION	PRODUCT	MATERIAL	SQUARE BORE (mm/in.)	DIAMETER (mm/in.)	# OF TEETH	WIDTH (mm/in.)
30S-PD50	PDS50-38-95/6	Sprocket	HDPE	38 / 1.5	95 / 3.74	6	32 / 1.25
	PDI-38-83	Idler			83 / 3.27	—	
	PDS50-38-128/8	Sprocket			128 / 5.04	8	
	PDI-38-116	Idler			116 / 4.56	—	
	PDS50-38-161/10	Sprocket			161 / 6.38	10	
	PDI-38-149	Idler			149 / 5.86	—	
	PDS50-38-193/12	Sprocket			193 / 7.60	12	
	PDI-38-181	Idler			181 / 7.12	—	
	PDR-38	Retaining Clip	—	38 / 1.5	—	—	32 / 1.25
28S-PD25	PDS25-38-48/6	Sprocket	HDPE	25 / 1.0 RD	48 / 1.89	6	25 / 1.00
	PDS25-38-65/8			25 / 1.0 RD	65 / 2.56	8	
	PDS25-38-81/10			38 / 1.5	81 / 3.19	10	
	PDS25-38-97/12			38 / 1.5	97.5 / 3.84	12	

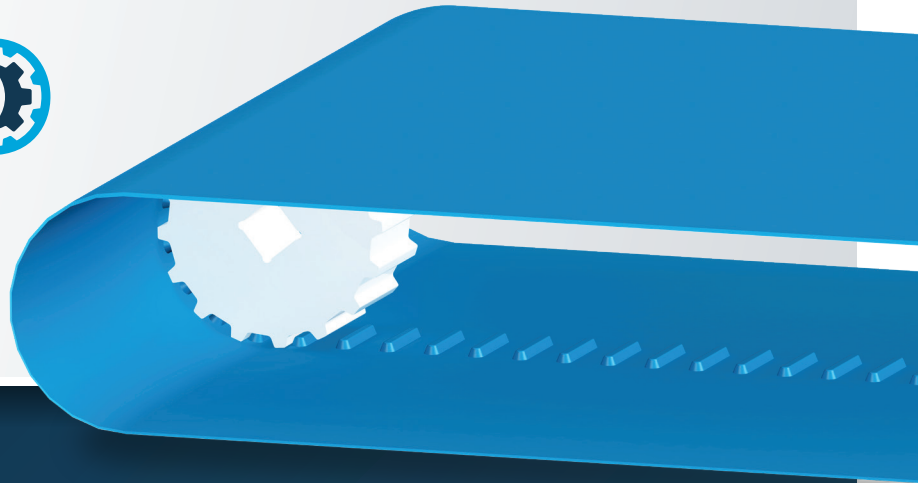
As an alternative to a sprocket/shaft drive, **Polyflex Drive** can be driven with S/S or plastic profiled drums or with sprockets mounted on a smooth drive drum.



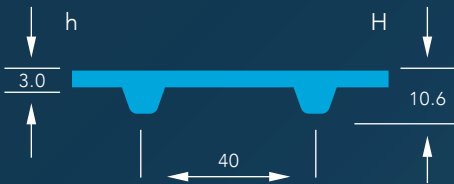
Polyflex Drive



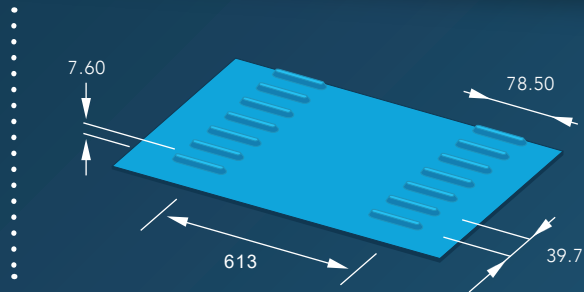
PDC - DRIVE BELTING



Pitch Between Teeth: 39.7 mm
Standard Belt Width: 1850 mm / 72.8 in.



*h= Belt Thickness | H= Belt Thickness + 5.5 mm



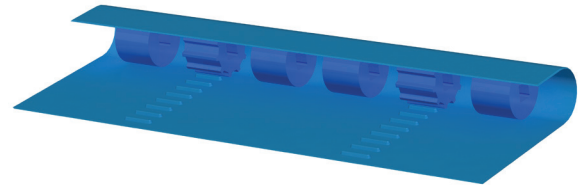
POLYFLEX DRIVE 30S - PDC40

Color	Blue	
Surface Finish	Smooth	
Durometer	95 ShA	
FDA/USDA	Yes	
	(in.)	(mm)
Pitch	1.56	39.7
Thickness Belt	0.12	3.0
Overall Thickness	0.41	10.6
Minimum Pulley	3.94	100
Minimum Pulley (Back-flex)	3.94	100
Manufactured Width	65	1650
Weight	0.74 lbs./ft ²	3.6 kg/m ²
Temperature Range	-4° F to 140° F	-20° C to 60° C
Coefficient of Friction		
HDPE	0.20	
S/S	0.52	

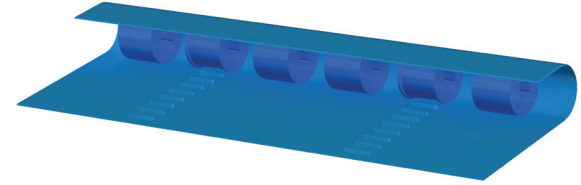




PDC - DRIVE ACCESSORIES

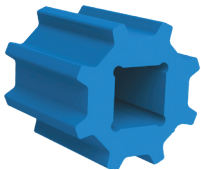


Drive



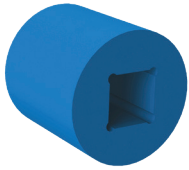
Non-Driven

SPROCKETS



POLYFLEX DRIVE PDC ACCESSORIES					
ITEM DESCRIPTION	MATERIAL	SQUARE BORE (mm/in)	DIAMETER (mm/in)	# OF TEETH	WIDTH (mm/in)
PDCS40-38-101/8	HDPE	38.1 / 1.5	101.4 / 4	8	100 / 3.94
PDCS40-38-127/10			127.5 / 5	10	
PDCS40-38-152/12			152.8 / 6	12	
PDCS40-38-179/14			178.7 / 7	14	
PDCS40-38-205/16			204.8 / 8	16	
PDCS40-38-231/18			230.7 / 9	18	
PDCS40-38-257/20			256.7 / 10.10	20	

SUPPORT WHEEL



ITEM DESCRIPTION	MATERIAL	SQUARE BORE (mm/in)	DIAMETER (mm/in)	# OF TEETH	WIDTH (mm/in)
PDCW-38-101	HDPE	38.1 / 1.5	101.4 / 4	-	100 / 3.94
PDCW-38-127			127.5 / 5	-	
PDCW-38-152			152.8 / 6	-	
PDCW-38-179			178.7 / 7	-	
PDCW-38-205			204.8 / 8	-	
PDCW-38-231			230.7 / 9	-	
PDCW-38-257			256.7 / 10.10	-	

TAIL PULLEY



ITEM DESCRIPTION	MATERIAL	SQUARE BORE (mm/in)	DIAMETER (mm/in)	# OF TEETH	WIDTH (mm/in)
PDCT-38-85.4	HDPE	38.1 / 1.5	85.4 / 3.36	-	100 / 3.94
PDCT-38-111.5			111.4 / 4.37	-	
PDCT-38-136.8			136.8 / 5.35	-	
PDCT-38-162.8			162.8 / 6.37	-	
PDCT-38-188.8			188.8 / 7.40	-	
PDCT-38-214.7			214.7 / 8.42	-	
PDCT-38-240.7			240.7 / 9.44	-	

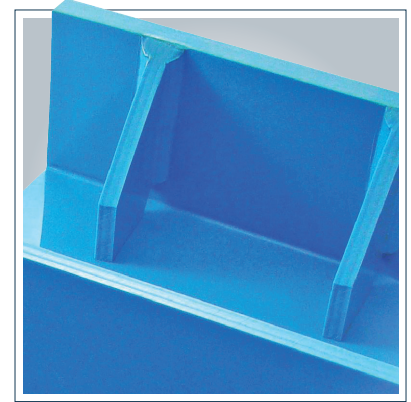


FABRICATION

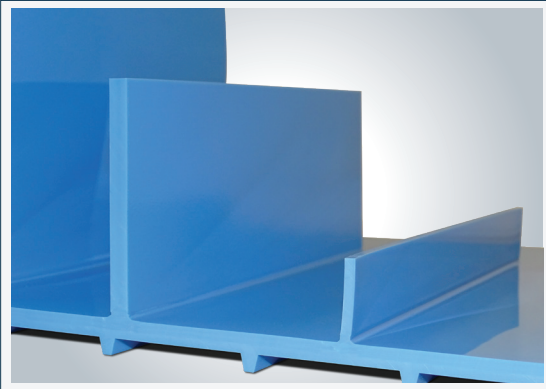


PROFILES

- Polyflex Drive is available with a variety of cleats
- Cleats can be high-frequency welded to meet HACCP standards
- Gussets can be added as reinforcement for heavy loads
- Cleats are available 2 mm to 6 mm (0.08 in. to 0.24 in.) thick, and in heights up to 152 mm (6 in)



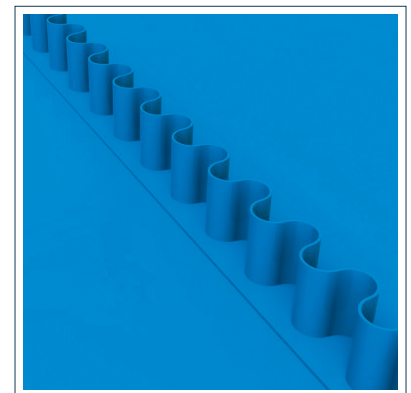
Gusseted cleats

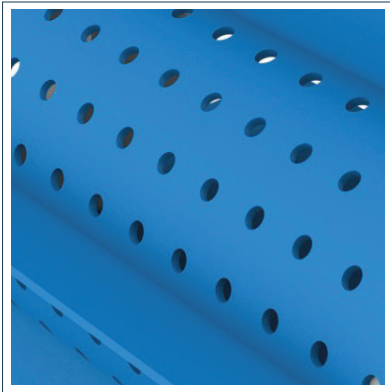


- ◀ 2 mm - 6 mm / 0.08 in. - 0.24 in. thick cleats
- ◀ 25 mm - 152 mm / 1 in. - 6 in. high cleats

SIDEWALLS

- Sidewalls are available for added product containment
- Sidewalls are available in a variety of heights





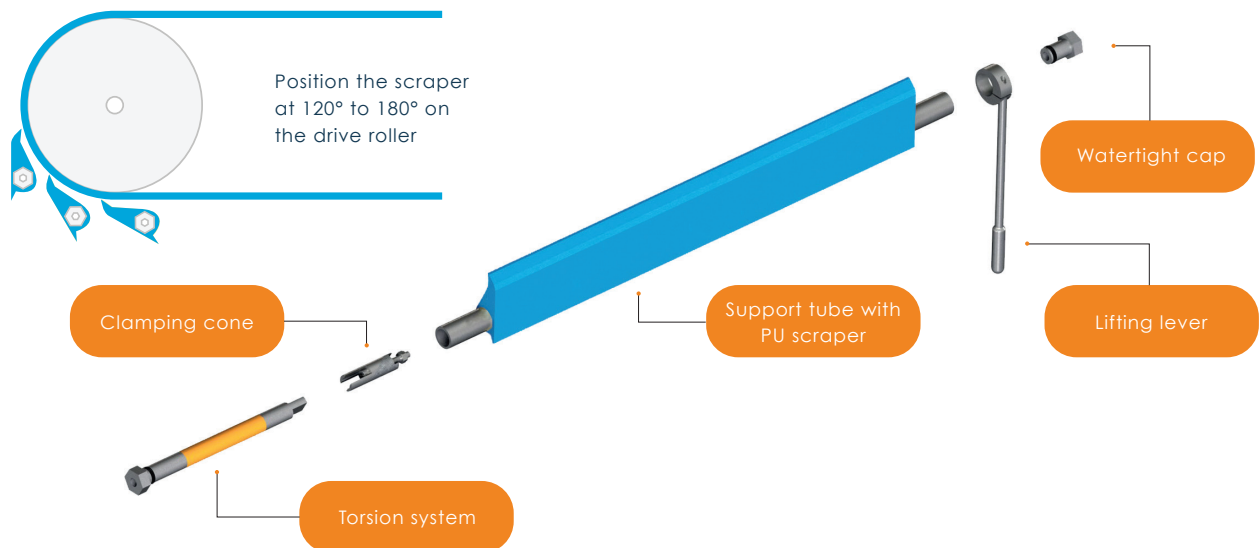
PERFORATIONS

Perforated belts facilitate the draining of the products conveyed. Custom perforation patterns are available upon request.

PU SCRAPER

Efficiently cleans the belt, ensuring permanent cleanliness of conveyor belts and avoids:

- Product build-up / conveyor jams
- Material contamination
- Costly product loss

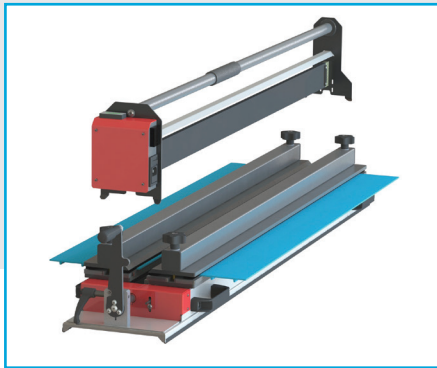
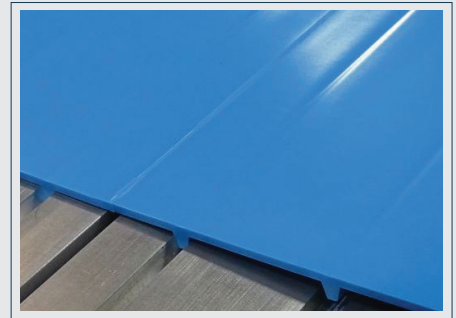




SPLICING METHODS

BUTT WELDING

Welding plates maintain the Polyflex Drive pitch for a perfect butt weld. The welder is lightweight and the splice is quick and easy in the workshop or in the field.



Polyflex Drive welder



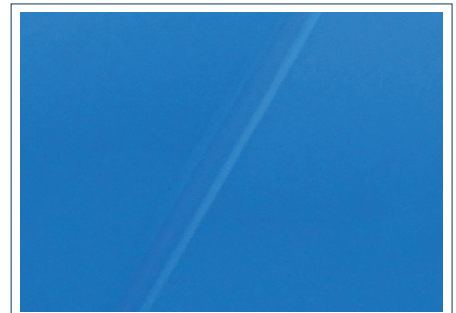
Welding plates



Splice kit

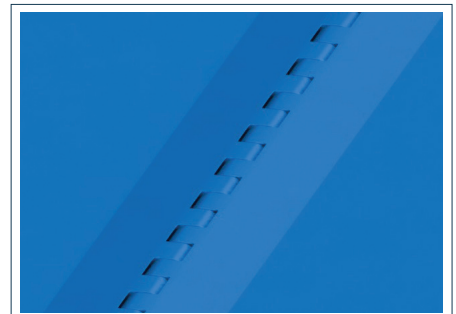
LEISTER WELDING

Polyflex Drive can be welded with a Leister gun and Polyflex welding rod. The pitch of the teeth must be maintained during the welding process.



TPU LACE

- TPU lace is particularly suitable in metal detecting applications or applications where belts must be removed regularly
- Recommended minimum pulley diameter of 4.75 in. (120 mm)



MECHANICAL FASTENERS

- Suitable for all widths using standard mechanical fastening techniques
- The pitch of the teeth must be maintained



INDUSTRIES



Meat



Poultry



Fish



Cheese / Dairy



Frozen Foods



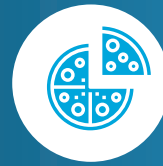
Fruit



Vegetables

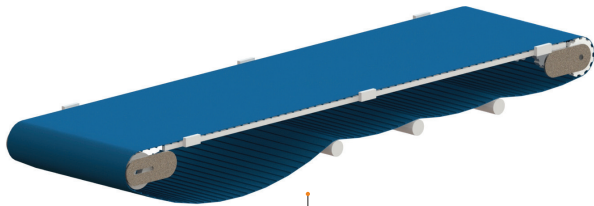


Bakery &
Confectionery

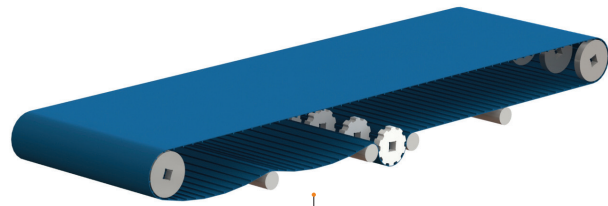


Snack Foods

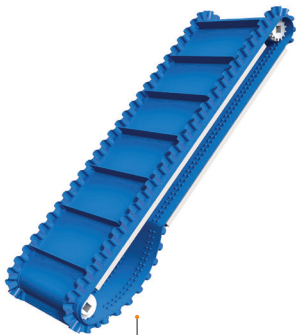
CONVEYOR DESIGNS



HORIZONTAL CONVEYOR



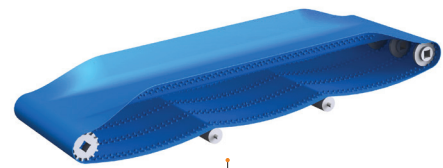
BI-DIRECTIONAL CONVEYOR



CLEATED / SIDEWALL CONVEYOR



Z-CONVEYOR



TROUGH CONVEYOR

SHINGLE

BELTING

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